

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6947	(substrate or board or motherboard or "PCB" or "PWB") and (insulat\$3 or dielectric) and barrier and seed and metal\$4 and (via or trench or open\$3 or groove or slot) and thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:13
L3	5400	1 and ((second or upper or above or over or top) with (dielectric or insulat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:01
L4	1492	3 and (@rlad<"20000118" or @ad<"20000118")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:14
L5	439	4 and ((dielectric or insulat\$3) with (polymer or polyim\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:03
L6	46	5 and (zirconium)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:04
L7	83	((substrate or board or motherboard or "PCB" or "PWB") and (insulat\$3 or dielectric) and barrier and seed and metal\$4 and (via or trench or open\$3 or groove or slot) and thickness).clm.	US-PGPUB	OR	ON	2006/01/31 19:13
L8	83	7 not 6	US-PGPUB	OR	ON	2006/01/31 19:13
L9	10	8 and (@rlad<"20000118" or @ad<"20000118")	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:15
L10	73	8 not 9	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:18
L11	1440	257/751.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 19:18
S1	11	((("6436787") or ("6362012") or ("20020047153") or ("5940319") or ("6153443") or ("6197688") or ("6465867") or ("5741626") or ("6312874") or ("5821168") or ("6194304")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/08/27 12:59
S2	0	((("6436787") or ("6362012") or ("20020047153") or ("5940319") or ("6153443") or ("6197688") or ("6465867") or ("5741626") or ("6312874") or ("5821168") or ("6194304")).PN.) and seed and (barrier or adhes\$4) and coper and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:00
S3	3	((("6436787") or ("6362012") or ("20020047153") or ("5940319") or ("6153443") or ("6197688") or ("6465867") or ("5741626") or ("6312874") or ("5821168") or ("6194304")).PN.) and seed and (barrier or adhes\$4) and copper and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:00
S4	45	("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937" .pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:46

S5	48	("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:46
S6	37	("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120").PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:46
S7	130	((("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937").pn.) (("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989").pn.) (("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120").PN.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:46
S8	153	farrar-paul-a.in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 15:09
S9	23	farrar-paul-a.in. and (seed adj layer) and via\$2 and barrier	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 15:31
S10	5	(farrar-paul-a.in. and (seed adj layer) and via\$2 and barrier) and ((seed adj layer) and via\$2 and barrier).clm.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 13:54
S11	21	("2842438" "4762728" "4847111" "4962058" "5084412" "5130274" "5158986" "5173442" "5231056" "5654245" "5670420" "5763953" "5824599" "5891797" "5948467" "5994777" "6071810" "6140228" "6171661" "6197688" "6207222").PN.	USPAT	OR	ON	2004/08/27 13:54
S12	9	("4574095" "4789648" "4894260" "4985750" "5151168" "5183795" "5192581" "5240497" "5580668").PN.	USPAT	OR	ON	2004/08/27 13:59

S13	40	<p>((("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937" .pn.)</p> <p>((("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989" .pn.)</p> <p>((("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120" .PN.)) and (seed adj layer) and via\$2 and barrier and via\$2 and substrate</p>	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 14:02
S14	34	<p>((("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937" .pn.)</p> <p>((("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989" .pn.)</p> <p>((("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120" .PN.)) and (seed adj layer) and via\$2 and barrier and via\$2 and substrate) not farrar-paul-a.in.</p>	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 14:02

S15	33	((("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937" .pn.) ((("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989" .pn.) ((("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120" .PN.)) and (seed adj layer) and via\$2 and barrier and via\$2 and substrate) not farrar-paul-a.in.) and (insulat\$4 or oxide or dielectric)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 14:03
S16	17	((("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937" .pn.) ((("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989" .pn.) ((("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120" .PN.)) and (seed adj layer) and via\$2 and barrier and via\$2 and substrate) not farrar-paul-a.in.) and (insulat\$4 or oxide or dielectric)) and (polymer or polyimide)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 14:04
S17	26	("2842438" "3954570" "4386116" "4788082" "4931410" "4962058" "5100499" "5158986" "5173442" "5240878" "5256205" "5334356" "5470789" "5470801" "5506449" "5635253" "5659193" "5674787" "5679608" "5681441" "5695810" "5717236" "5785570" "5913147" "5982040" "6107657" .PN.	USPAT	OR	ON	2004/08/27 14:05
S18	3	"6465867".	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 15:58
S19	6	("6057237" "6136682" "6140231" "6144096" "6146993" "6348732" .PN.	USPAT	OR	ON	2004/08/27 15:09
S20	2	("6136682" "6181012" .PN.	USPAT	OR	ON	2004/08/27 15:11
S21	1	"6465867".URPN.	USPAT	OR	ON	2004/08/27 15:12
S22	2	"6348732".URPN.	USPAT	OR	ON	2004/08/27 15:12
S23	6	("4933743" "4933754" "6127258" "6326305" "6348732" "6417566" .PN.	USPAT	OR	ON	2004/08/27 15:13
S24	2	("6136682" "6181012" .PN.	USPAT	OR	ON	2004/08/27 15:14

S25	2	"6348732".URPN.	USPAT	OR	ON	2004/08/27 15:15
S26	57	substrate and (conductor adj core) and (channel adj stop) and (barrier with adhesion) and (seed adj layer)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 15:58
S27	57	(substrate and (conductor adj core) and (channel adj stop) and (barrier with adhesion) and (seed adj layer)) and (dielectric or insulat\$4) and (contact\$4 or plug) and copper	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 15:59
S28	57	((substrate and (conductor adj core) and (channel adj stop) and (barrier with adhesion) and (seed adj layer)) and (dielectric or insulat\$4) and (contact\$4 or plug) and copper) not (((("2842438" "20010002333" "20020014646" "20020028552" "20020096768" "20020109233" "3954570" "4386116" "4394223" "4423547" "4565157" "4574095" "4762728" "4788082" "4847111" "4931410" "4962058" "4984459" "4996584" "5019531" "5034799" "5084412" "5100499" "5130274" "5158986" "5173442" "5231056" "5240878" "5243222" "5256205" "5334356" "5354712" "5371042" "5384284" "5413687" "5426330" "5442237" "5447887" "5470789" "5470801" "5506449" "5538922" "5539060" "5595937" .pn.) (("5609721" "5635253" "5654245" "5670420" "5674787" "5679608" "5681441" "5695810" "5719089" "5719410" "5739579" "5763953" "5780358" "5785570" "5792522" "5801098" "5814557" "5821168" "5824599" "5858877" "5891797" "5891804" "5895740" "5897370" "5907772" "5911113" "5925930" "5930669" "5932928" "5940733" "5948467" "5962923" "5972179" "5972804" "5976710" "5981350" "5985759" "5989623" "5994777" "6008117" "6015465" "6017820" "6030877" "6065424" "6069068" "6071810" "6100193" "6126989" .pn.) (("6136095" "6139699" "6140228" "6140234" "6143646" "6150261" "6153507" "6159769" "6171661" "6177350" "6183564" "6187656" "6190732" "6197688" "6207222" "6207553" "6207558" "6211049" "6211073" "6221763" "6232219" "6249056" "6265311" "6271592" "6284656" "6287954" "6323553" "6326303" "6359328" "6372622" "6376370" "6387542" "6399489" "6403481" "6420262" "6426289" "6429120").PN.)) farrar-paul-a.in.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 16:14
S29	14	("6083835"   "6100184"   "6114243"   "6130161"   "6157081"   "6159845"   "6258713"   "6261950"   "6274499"   "6281127"   "6288448"   "6309970"   "6323135"   "6350678").PN.	USPAT	OR	ON	2004/08/27 16:03
S30	10	("5483568"   "5772780"   "5804513"   "6103625"   "6123088"   "6143662"   "6191027"   "6200901"   "6221775"   "6232231").PN.	USPAT	OR	ON	2004/08/27 16:06
S31	4	"6326305".URPN.	USPAT	OR	ON	2004/08/27 16:06
S32	14	("6083835"   "6100184"   "6114243"   "6130161"   "6157081"   "6159845"   "6258713"   "6261950"   "6274499"   "6281127"   "6288448"   "6309970"   "6323135"   "6350678").PN.	USPAT	OR	ON	2004/08/27 16:08
S33	3	("5928962"   "6227949"   "6235071").PN.	USPAT	OR	ON	2004/08/27 16:09
S34	3	"6350678".URPN.	USPAT	OR	ON	2004/08/27 16:09
S35	40	("2842438"   "4565157"   "4762728"   "4847111"   "4962058"   "5084412"   "5130274"   "5158986"   "5173442"   "5231056"   "5240878"   "5371042"   "5413687"   "5609721"   "5654245"   "5670420"   "5763953"   "5824599"   "5891797"   "5948467"   "5962923"   "5972179"   "5994777"   "6017820"   "6065424"   "6015465"   "6071810"   "6136095"   "6136699"   "6140228"   "6143646"   "6153507"   "6171661"   "6177350"   "6183564"   "6190732"   "6197688"   "6207222"   "6265311"   "6271592").PN.	USPAT	OR	ON	2004/08/27 16:13
S36	13	"6277263"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/27 16:14
S37	17	(US-6465867-\$ or US-6207222-\$ or US-5824599-\$ or US-6287954-\$ or US-6069068-\$ or US-6348732-\$ or US-6146993-\$ or US-6140231-\$ or US-6144096-\$ or US-6136682-\$ or US-6181012-\$ or US-6541860-\$ or US-6326305-\$ or US-6127258-\$ or US-4933743-\$ or US-6350678-\$ or US-6277263-\$).did.	USPAT	OR	OFF	2004/08/30 17:02

S38	3	((US-6465867-\$ or US-6207222-\$ or US-5824599-\$ or US-6287954-\$ or US-6069068-\$ or US-6348732-\$ or US-6146993-\$ or US-6140231-\$ or US-6144096-\$ or US-6136682-\$ or US-6181012-\$ or US-6541860-\$ or US-6326305-\$ or US-6127258-\$ or US-4933743-\$ or US-6350678-\$ or US-6277263-\$).did.) and liner	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/30 17:07
S39	2	(titanium adj silicide adj liner) and (metallization) and via\$2 and (insulat\$4 and substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/30 17:09
S40	2	titanium adj silicide adj liner	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/30 17:09
S41	17	silicide adj liner	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/30 17:09
S42	15	(silicide adj liner) not (titanium adj silicide adj liner)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/08/30 17:09
S43	18	(US-4933743-\$ or US-5824599-\$ or US-6069068-\$ or US-6127258-\$ or US-6136682-\$ or US-6140231-\$ or US-6144096-\$ or US-6146993-\$ or US-6181012-\$ or US-6207222-\$ or US-6277263-\$ or US-6287954-\$ or US-6326305-\$ or US-6348732-\$ or US-6350678-\$ or US-6376368-\$ or US-6465867-\$ or US-6541860-\$).did.	USPAT	OR	OFF	2005/03/02 16:45
S44	180	farrar-paul-a.in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 16:19
S45	1384	substrate and (via or opening)and seed and barrier and (dielectric or insulat\$4) and metal\$4 and angstrom	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 16:47
S46	1362	S45 not (S43 S44)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 16:47
S47	100	S46 and ("Hf" or hafnium) and ("Zr" or zirconium)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 16:47
S48	49	S47 and (polyimide or polymer)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 16:48
S49	34	S48 and (etch\$4 adj (barrier or stop))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 17:11
S50	15	S48 not S49	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 16:56
S51	10	((("5937320") or ("6103320") or ("6208016") or ("6245662") or ("6288442") or ("6358849") or ("6552432") or ("6614099") or ("6743716") or ("6756298")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/03/02 17:01
S52	1	"20040217481"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/03/02 17:12

S53	3	((("20050023699") or ("20040217481") or ("20050023697")),PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/03/02 17:12
S54	10	("5633200" "6143655" "6169024" "6215186" "6258707" "6288447" "6417094" "6492266" "6589863" "6740392").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/01/31 16:01
S55	7	((("5348811") or ("5401680") or ("5789264") or ("6143671") or ("6251781") or ("6303498") or ("6365511")),PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/01/31 18:57